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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

1.   This action is in response to filing on 9/19/2008. Claims 1-13, 15-18, 20 and 21

are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public
use or on sale in this country, more than one year prior to the date of application for patent in the United
States.

1.   Claims 1-13, 15-18, 20, and 21 are rejected under 35 U.S.C. 102 (b) as being

anticipated by Arnold et al (US Patent No. 5,440,723 and Arnold hereinafter).

2.   As to claim 1, Arnold teaches a method of preventing virus infection by detecting

the virus infection in a network, comprising steps of:

obtaining communication information when a virus intrudes (i.e., ... teaches

obtaining virus signature information [col. 9, lines 10-20]); detecting a virus source

computer based on the communication information obtained (i.e., ... teaches The first

step in the process of this invention detects anomalous system behavior of a type that

may indicate the presence of an undesirable informational state resulting from the

presence of a virus or some other undesirable software entity, such as a worm or a

Trojan Horse. The detection of anomalous behavior within a computer or computer

network can be accomplished through the use of known techniques, preferably a

technique that detects anomalies that may indicate a virus [col. 4, lines 60-69; col. 5,

lines 1-5]);

sending a message announcing an antivirus attack on the virus source computer

[fig. 3, (E)];

and making the antivirus attack on the virus source computer [fig. 5, Block A-E.

3.   As to claim 2, Arnold teaches a method of preventing virus where:

a decoy accessible through the network is provided to a computer that monitors

intrusion of a virus (i.e., ... teaches deploying a decoy to capture virus [item C, fig. 2]),

for receiving access to said decoy to obtain communication information and to detect

virus intrusion (i.e., ... teaches the DPs are periodically compared to the secured copies

stored within the DPDB 76a so as to detect a modification thereof [col. 29, lines 8-12]);

and said decoy is one or more of a decoy folder stored in a storage unit, a decoy

application stored in the storage unit (i.e., teaches the decoy program unit 76 has an

associated secure decoy program database (DPDB) 76a [col. 29, lines 1-10]), and a

server formed virtually in the storage unit (i.e., ... although silent on the term "server",

those ordinary skill in the art would recognize the teaching of the DPs are periodically

compared to the secured copies stored within the DPDB 76a so as to detect a

modification thereof. If a modification is detected, the DPU 76 isolates the undesirable

software entity and provides one or more samples of the isolated undesirable software

entity to the code/data segregator 38 [col. 29, lines 8-16]).

4.   As to claim 3 and 8, Arnold teaches a method of preventing virus infection where:

said attack is made by imposing a high load on the virus source computer (i.e., ...

teaches anomalous system behavior of a type that may indicate the presence of an

undesirable informational state resulting from the presence of a virus or some other

undesirable software entity, such as a worm or a Trojan Horse [col. 4, lines 30-35]).

5.   As to claim 4 and 9, Arnold teaches a method of preventing virus infection where:

said high load is imposed on the virus source computer by increasing traffic of said

computer (i.e., ... teaches anomalous system behavior of a type that may indicate the

presence of an undesirable informational state resulting from the presence of a virus or

some other undesirable software entity, such as a worm or a Trojan Horse [col. 4, lines

30-35]).

6.   As to claim 5 and 10, Arnold teaches a method of preventing virus infection

where: said high load is imposed on the virus source computer by sending a large

number of requests to which a CPU of said computer should respond (i.e., ... teaches

anomalous system behavior of a type that may indicate the presence of an undesirable

informational state resulting from the presence of a virus or some other undesirable

software entity, such as a worm or a Trojan Horse [col. 4, lines 30-35]).

7.   As to claim 6, Arnold teaches a system for preventing virus infection by detecting

the virus infection in a network, comprising:

        a communication information analysis means that detects intrusion of a virus,

and then on detecting virus intrusion, detects a virus source computer based on

communication information obtained when the virus intrudes (i.e., … teaches The first

step in the process of this invention detects anomalous system behavior of a type that

may indicate the presence of an undesirable informational state resulting from the

presence of a virus or some other undesirable software entity, such as a worm or a

Trojan Horse. The detection of anomalous behavior within a computer or computer

network can be accomplished through the use of known techniques, preferably a

technique that detects anomalies that may indicate a virus [col. 4, lines 60-69; col. 5,

lines 1-5]);

        a computer attack means that makes an antivirus attack on the virus source

computer through the network, for suppressing operation of the virus (fig. 5, Blocks A-

E);

        and a message sending means that sends a message for announcing a start of

the attack, to the infected computer (i.e., … teaches a distress signal deployment [col.

20, Step G]).

8.   As to claim 7, Arnold teaches a system for preventing virus infection where:

        said system further comprises a decoy means accessible through the network

[fig. 2, (C)];

and said communication information analysis means detects virus intrusion into said decoy means, and on detection of the virus intrusion [fig. 3, (J)], detects a virus source computer, based on the communication information obtained when the virus intrudes (i.e., ... teaches The first step in the process of this invention detects anomalous system behavior of a type that may indicate the presence of an undesirable informational state resulting from the presence of a virus or some other undesirable software entity, such as a worm or a Trojan Horse. The detection of anomalous behavior within a computer or computer network can be accomplished through the use of known techniques, preferably a technique that detects anomalies that may indicate a virus [col. 4, lines 60-69; col. 5, lines 1-5]).

9.   As to claim 11, Arnold teaches a system for preventing virus infection where: said system further comprises a detection report transmission means that sends a detection report to an administrator of the virus source computer (i.e., ... teaches a signature report displayed on device or stored in the database [col. 19, lines 35-45]);

and said computer attack means continues to make the antivirus attack on the virus source computer until a countermeasure against the virus has been completed [fig. 5, block A-E].

10.   As to claim 12, Arnold teaches a system for preventing virus infection where said decoy means is a decoy folder realized by an application provided in a decoy server

that is formed virtually in a storage unit of a computer connected to the network (…

teaches added as a dedicated decoy program server [col. 4,lines 25-30]).

11.   As to claim 13, Arnold teaches a system for preventing virus infection where: said

decoy means is a decoy application realized as an application provided in a decoy

server that is formed virtually in a storage unit of a computer connected to the network

(i.e., … teaches Deployment of decoy programs to capture virus samples [col. 4, Step

C] … teaches one or more decoy programs in an attempt to attract and obtain one or

more samples of the unknown virus. The decoy programs could be commercially-

available computer programs which are installed on (and are capable of being executed

on) the computer system [col. 6, lines 5-15] … teaches added as a dedicated decoy

program server [col. 4,lines 25-30]).

12.   14. (deleted)

13.   As to claim 15, Arnold teaches a system for preventing virus infection further

comprising: an alarm sound generation means that generates an alarm sound in a

attacking terminal unit at a start of the attack or after the start of the attack (i.e., …

teaches deployment of a distress signal [col. 20, Step G]).

14.   As to claim 16, Arnold teaches a system for preventing virus infection further

comprising: a requesting means that notifies a network address of the virus source

computer to another computer connected to the network and requests to said computer

for making an antivirus attack on the virus source computer (i.e., … teaches alerting

neighboring computers [abstract (F)] … teaches performing antivirus processing [fig. 8]

… although silent on the term "request" for making the antivirus attack those skill in the

art would recognize upon invoking the process to execute performing antivirus

processing in [fig. 8] a triggering process such as a request process would have had to

occur for in order for the [fig. 8] processes to execute).

15.   As to claim 17, Arnold teaches a system for preventing virus infection by

detecting the virus infection in a network, comprising:

        a request receiving means that receives a request for making an antivirus attack

on a virus source computer … teaches performing antivirus processing [fig. 8] …

although silent on the term "request" for making the antivirus attack those skill in the art

would recognize upon invoking the process to execute performing antivirus processing

in [fig. 8] a triggering process such as a request process would have had to occur for in

order for the [fig. 8] processes to execute);

        and a computer attack means that makes an antivirus attack on said virus source

computer through the network for suppressing operation of a virus, based on said

request received [fig., 5, Block A-E].

16.   As to claim 18, Arnold teaches a program for making a computer prevent virus

infection, wherein: said program makes said computer realize:

a communication information analysis means that detects intrusion of a virus, and then on detecting virus intrusion, detects a virus source computer based on communication information obtained when the virus intrudes (i.e., ... teaches The first step in the process of this invention detects anomalous system behavior of a type that may indicate the presence of an undesirable informational state resulting from the presence of a virus or some other undesirable software entity, such as a worm or a Trojan Horse. The detection of anomalous behavior within a computer or computer network can be accomplished through the use of known techniques, preferably a technique that detects anomalies that may indicate a virus [col. 4, lines 60-69; col. 5, lines 1-5]):

a computer attack means that makes an antivirus attack on the virus source computer through the network, for suppressing operation of the virus [fig. 5, Block A-E];

and a message sending means that sends a message for announcing a start of the attack, to the infected computer (i.e., ... teaches the deployment of a distress signal [col. 20, Step G].

17.   19. (deleted)

18.   As to claim 20, Arnold teaches a system for preventing virus infection by detecting the virus infection in a network, comprising:

a communication information analysis means that detects intrusion of a virus, and on detecting virus intrusion, detects a virus source computer, based on

communication information obtained when the virus intrudes (i.e., ... teaches The first

step in the process of this invention detects anomalous system behavior of a type that

may indicate the presence of an undesirable informational state resulting from the

presence of a virus or some other undesirable software entity, such as a worm or a

Trojan Horse. The detection of anomalous behavior within a computer or computer

network can be accomplished through the use of known techniques, preferably a

technique that detects anomalies that may indicate a virus [col. 4, lines 60-69; col. 5,

lines 1-5]);

a computer attack means that makes an antivirus attack on the virus source

computer through the network, for suppressing operation of the virus [fig. 5, Block A-E];

and an alarm sound generation means the generates an alarm sound in an

attacking terminal unit at a start of the attack or after the start of the attack (i.e., ...

teaches the deployment of a distress signal [col. 20, Step G]).

19.   As to claim 21, Arnold teaches a system for preventing virus infection by

detecting the virus infection in a network, comprising:

a communication information analysis means that detects intrusion of a virus,

and on detecting virus intrusion, detects a virus source computer, based on

communication information obtained when the virus intrudes (i.e., ... teaches The first

step in the process of this invention detects anomalous system behavior of a type that

may indicate the presence of an undesirable informational state resulting from the

presence of a virus or some other undesirable software entity, such as a worm or a

Trojan Horse. The detection of anomalous behavior within a computer or computer

network can be accomplished through the use of known techniques, preferably a

technique that detects anomalies that may indicate a virus [col. 4, lines 60-69; col. 5,

lines 1-5]);

a detection report transmission means that sends a detection report to an

administrator of the virus source computer [fig. 3 (P)].

Prior Art Made of Record

20.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

a.   Lewis et al. (US Patent Publication No. 2003/0110396) Method and

apparatus for predicting and preventing attacks in communications networks.

Response to Arguments

21.   During the interview conducted on August 6, 2008 applicant's representative

pointed out that the claims as examined did not seem to match the claims as amended

under article 34. The Examiner agreed that the claims were examined without

consideration of the article 34 amendments and suggested that the Applicant for filing a

request for reconsideration. Therefore, Examiner respectfully withdraws Non-Final

Office action filed on July 16, 2008. Examiner submits claims as file under article 34

amendment on 9/16/2005 has been considered and addressed as described above.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRYAN WRIGHT whose telephone number is (571)270-3826. The examiner can normally be reached on 8:30 am - 5:30 pm Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AYAZ Sheikh can be reached on (571)272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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